

DOCKET NO. D-2008-13 CP-1

DELAWARE RIVER BASIN COMMISSION

**Borough of Bryn Athyn
Wastewater Treatment Plant
Bryn Athyn Borough, Montgomery County, Pennsylvania**

PROCEEDINGS

This docket is issued in response to an Application submitted to the Delaware River Basin Commission (DRBC or Commission) by the Borough of Bryn Athyn on February 27, 2008 (Application), for review of a wastewater treatment plant (WWTP). The Pennsylvania Department of Environmental Protection (PADEP) issued National Pollutant Discharge Elimination System (NPDES) Permit No. PA0030023 on November 8, 2007 for this project.

The Application was reviewed for inclusion of the project in the Comprehensive Plan and approval under Section 3.8 of the *Delaware River Basin Compact*. The Montgomery County Planning Commission has been notified of pending action. A public hearing on this project was held by the DRBC on July 16, 2008.

A. DESCRIPTION

- Purpose.** The purpose of this project is to approve the existing 0.065 million gallon per day (mgd) WWTP, known as the Academy of the New Church plant, which discharges to an unnamed tributary to Huntingdon Valley Creek.
- Location.** The project discharges to an unnamed tributary to Huntingdon Valley Creek, itself a tributary to Pennypack Creek.

The project outfall is located as follows:

OUTFALL NO.	LATITUDE (N)	LONGITUDE (W)
001	40° 07' 33"	75° 03' 14"

- Area Served.** The docket holder's WWTP will receive wastewater flows from the Bryn Athyn Academy of the New Church. For the purpose of defining the Area Served, the Application is incorporated herein by reference consistent with conditions contained in the DECISION section of this docket.

4. **Physical features.**

a. **Design criteria.** The docket holder operates a wastewater treatment plant with a design capacity of 65,000 gallons per day. The treatment plant has been in operation for several decades, but has not previously received DRBC approval.

b. **Facilities.** The wastewater treatment plant consists of a bar screen, aeration tanks, final settling tank, chlorine contact tanks and reed beds.

The project facilities are above the 100-year flood zone.

Wasted sludge will be hauled off-site by a licensed hauler for deposit at a State-approved facility.

c. **Water withdrawals.** The potable water supply in the project service area is provided by Aqua Pennsylvania, Inc.

d. **NPDES Permit / DRBC Docket.** The NPDES Permit No. PA0030023, approved by the PADEP on November 8, 2007, includes final effluent limitations for the project discharge of 0.065 mgd to surface waters classified by the PADEP as Trout Stocking Fishery. The following average monthly effluent limits are among those listed in the NPDES permit and meet or are more stringent than the effluent requirements of the DRBC.

EFFLUENT TABLE A-1: DRBC Parameters Included in NPDES permit

OUTFALL 001		
PARAMETER	LIMIT	MONITORING
pH (Standard Units)	6 to 9 at all times	As required by NPDES permit
Total Suspended Solids	10 mg/l (85% minimum removal*)	As required by NPDES permit
CBOD (5-Day at 20° C) (5-1 to 10-31) (11-1 to 4-30)	6.8 mg/l (85% minimum removal*)	As required by NPDES permit
	13.6 mg/l (85% minimum removal*)	
Ammonia Nitrogen (5-1 to 10-31) (11-1 to 4-30)	2.8 mg/l	As required by NPDES permit
	8.4 mg/l	
Fecal Coliform	200 colonies per 100 ml	As required by NPDES permit

* DRBC Requirement

EFFLUENT TABLE A-2: DRBC Parameters Not Included in NPDES Permit

OUTFALL 001		
PARAMETER	LIMIT	MONITORING
Total Dissolved Solids*	1,000 mg/l *	One Per Quarter **

* DRBC Requirement

** See Condition II.q.

e. **Relationship to the Comprehensive Plan.** The docket holder's plant has not been previously included in the Comprehensive Plan.

B. **FINDINGS**

The limits in the NPDES Permit are in compliance with Commission effluent quality requirements, where applicable.

The project is designed to produce a discharge meeting the effluent requirements as set forth in the *Water Quality Regulations* of the DRBC.

Near the project site, the Pennypack Creek has an estimated seven-day low flow with a recurrence interval of ten years of 8.402 mgd (13 cfs). The ratio of this low flow to the average design wastewater discharge from the wastewater treatment plant is 129:1.

The project does not conflict with the Comprehensive Plan and is designed to prevent substantial adverse impact on the water resources related environment, while sustaining the current and future water uses and development of the water resources of the Basin.

C. **DECISION**

I. Effective on the approval date for Docket No. D-2008-13 CP-1 below, the project and the appurtenant facilities described in the Section A "Physical Features" of this docket shall be added to the Comprehensive Plan.

II. The project and appurtenant facilities as described in the Section A "Physical features" of this docket are approved pursuant to Section 3.8 of the *Compact*, subject to the following conditions:

a. Docket approval is subject to all conditions, requirements, and limitations imposed by the PADEP in its NPDES permit, and such conditions, requirements, and limitations are incorporated herein, unless they are less stringent than the Commission's.

b. The facility and operational records shall be available at all times for inspection by the DRBC.

c. The facility shall be operated at all times to comply with the requirements of the *Water Quality Regulations* of the DRBC.

d. The docket holder shall maintain and make available to DRBC upon request, records identifying the sources, volumes and characteristics of all wastewaters and

sludges treated at the IWTP, as well as the dates when off-site wastes were received and treated. Records are to be retained for 5 years.

e. The docket holder shall comply with the requirements contained in the Effluent Tables in Section A.4.d. of this docket. The docket holder shall submit DRBC required monitoring results directly to DRBC (Project Review Section). The monitoring results shall be submitted annually absent any observed limit violations. If a DRBC effluent limit is violated, the docket holder shall submit the results and provide a written explanation within 30 days of the violation the action(s) the docket holder has taken to correct the violation and protect against a future violation.

f. Except as otherwise authorized by this docket, if the docket holder seeks relief from any limitation based upon a DRBC water quality standard or minimum treatment requirement, the docket holder shall apply for approval from the Executive Director or for a docket revision in accordance with Section 3.8 of the *Compact* and the *Rules of Practice and Procedure*.

g. If at any time the receiving treatment plant proves unable to produce an effluent that is consistent with the requirements of this docket approval, no further connections shall be permitted until the deficiency is remedied.

h. Nothing herein shall be construed to exempt the docket holder from obtaining all necessary permits and/or approvals from other State, Federal or local government agencies having jurisdiction over this project.

i. The docket holder is permitted to treat and discharge the categories of wastewaters defined in the "Area Served" section of this docket.

j. The docket holder shall make wastewater discharge in such a manner as to avoid injury or damage to fish or wildlife and shall avoid any injury to public or private property.

k. No sewer service connections shall be made to newly constructed premises with plumbing fixtures and fittings that do not comply with water conservation performance standards contained in Resolution No. 88-2 (Revision 2).

l. Nothing in this docket approval shall be construed as limiting the authority of DRBC to adopt and apply charges or other fees to this discharge or project.

m. The issuance of this docket approval shall not create any private or proprietary rights in the waters of the Basin, and the Commission reserves the right to amend, suspend or rescind the docket for cause, in order to ensure proper control, use and management of the water resources of the Basin.

n. A complete application for the renewal of this docket, or a notice of intent to cease the operations (withdrawal, discharge, etc.) approved by this docket by the expiration date, must be submitted to the DRBC at least 12 months prior to the expiration date below (unless permission has been granted by the DRBC for submission at a later date), using the appropriate DRBC application form. In the event that a timely and complete application for renewal has been submitted and the DRBC is unable, through no fault of the docket holder, to reissue the docket before the expiration date below, the terms and conditions of this docket will remain fully effective and enforceable against the docket holder pending the grant or denial of the application for docket approval.

o. The Executive Director may modify or suspend this approval or any condition thereof, or require mitigating measures pending additional review, if in the Executive Director's judgment such modification or suspension is required to protect the water resources of the Basin.

p. The docket holder and any other person aggrieved by a reviewable action or decision taken by the Executive Director or Commission pursuant to this docket may seek an administrative hearing pursuant to Articles 5 and 6 of the Commission's *Rules of Practice and Procedure*, and after exhausting all administrative remedies may seek judicial review pursuant to Article 6, section 2.6.10 of the *Rules of Practice and Procedure* and section 15.1(p) of the Commission's *Compact*.

q. The docket holder may request of the Executive Director in writing the substitution of specific conductance for TDS. The request should include information that supports the effluent specific correlation between TDS and specific conductance. Upon review, the Executive Director may modify the docket to allow the substitution of specific conductance for TDS monitoring.

BY THE COMMISSION

DATE APPROVED: July 16, 2008

EXPIRATION DATE: November 30, 2012